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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/603,443	06/25/2003	Robert G. Combs	RAP-1	4374

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ITHACA, NY 14850

EXAMINER

JONES, HEATHER RAE

ART UNIT	PAPER NUMBER
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2621

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/06/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/603,443

Applicant(s)

COMBS, ROBERT G.

Examiner

Heather R. Jones

Art Unit

2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 June 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 June 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 1/29/2004.

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Specification

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1, 3-7, and 9-14 are rejected under 35 U.S.C. 102(e) as being anticipated by Kaylor et al. (U.S. Patent Application Publication 2003/0016288).

Regarding claim 1, Kaylor et al. discloses a system for collecting, storing, and reviewing data related to events occurring under the direction of an automated controller, comprising: a) a digital signal capture card for sensing and collecting discrete digital signals (the signals are inputted into the computer); b) a multi-port serial port expansion card for sensing and collecting serial digital communication messages (the serial messages can be seen in Fig. 14); c) a video frame grabber and compression card for sensing and collecting video signals (20); d) means for indexing and storing said digital and video signals (as

can be seen in Fig. 14 the images have been indexed according to their time stamp); e) means for relating occurrence of a particular item of a particular data type, whether digital, serial or video, to the most closely time-related data item from the other said data types (corresponding data are all displayed on the screen of the computer at once, which can be seen in Fig. 14); and f) a display (88) for control of said system and presentation of recorded data to a user during review (Fig. 14).

Regarding claim 3, Kaylor et al. discloses all the limitations as previously discussed with respect to claim 1 including that the reviewed video data are presented in picture format of still image or time-motion video images (Fig. 14 displays a still image).

Regarding claim 4, Kaylor et al. discloses all the limitations as previously discussed with respect to claim 1 including that the reviewed serial communication data are presented in time-ordered message sequence (Fig. 14 displays two lists on the left hand side that are displayed in a time-ordered manner).

Regarding claim 5, Kaylor et al. discloses all the limitations as previously discussed with respect to claim 1, including that the reviewed serial communication data are presented as recorded in hexadecimal or ASCII format (Fig. 14 displays ASCII characters – ASCII code represents text in computers – therefore if text is on the screen then it is an ASCII code).

Regarding claim 6, Kaylor et al. discloses all the limitations as previously discussed with respect to claim 1 including that the reviewed serial communication data are translated according to message parsing rules (Fig. 14 displays the time and information in the correct format – parsing is the process of analyzing a sequence of tokens (codes) to determine its grammatical structure with respect to a given formal grammar).

Regarding claim 7, Kaylor et al. discloses a system for collecting, storing, and reviewing data related to events occurring under the direction of an automated controller, comprising a display for displaying the data, operatively connected to: a) means for sensing and collecting discrete digital signals (the signals are inputted into the computer); b) means for indexing and storing the digital signals (as can be seen in Fig. 14 the images have been indexed according to their time stamp); c) means for sensing and collecting serial digital communication messages (the serial messages can be seen in Fig. 14); d) means for indexing and storing the serial messages; e) means for sensing and collecting video signals (20); d) means for indexing and storing said video signals (as can be seen in Fig. 14 the images have been indexed according to their time stamp); e) means for relating occurrence of a particular item of a particular data type, whether digital, serial or video, to the most closely time-related data item from the other said data types, retrieving and displaying the time-related data items, according to data the type and data item directed by the user (corresponding data are all displayed on the screen of the computer at once,

which can be seen in Fig. 14), wherein said display displays each data type, whether digital, serial or video, in a time-synchronized manner, and wherein said user directs a displayed time of any individual data type, whether digital, serial or video, and the remaining two data types are automatically moved to a newly directed time (Fig. 14).

Regarding claim 9, Kaylor et al. discloses all the limitations as previously discussed with respect to claim 7 including that the reviewed video data are presented in picture format of still image or time-motion video images (Fig. 14 displays a still image).

Regarding claim 10, Kaylor et al. discloses all the limitations as previously discussed with respect to claim 7 including that the reviewed serial communication data are presented in time-ordered message sequence (Fig. 14 displays two lists on the left hand side that are displayed in a time-ordered manner).

Regarding claim 11, Kaylor et al. discloses all the limitations as previously discussed with respect to claim 7, including that the reviewed serial communication data are presented as recorded in hexadecimal or ASCII format (Fig. 14 displays ASCII characters – ASCII code represents text in computers – therefore if text is on the screen then it is an ASCII code).

Regarding claim 12, Kaylor et al. discloses all the limitations as previously discussed with respect to claim 7 including that the reviewed serial communication data are translated according to message parsing rules (Fig. 14

displays the time and information in the correct format – parsing is the process of analyzing a sequence of tokens (codes) to determine its grammatical structure with respect to a given formal grammar).

Regarding claim **13**, Kaylor et al. discloses all the limitations as previously discussed with respect to claim 1 including that one or more of said serial digital communication messages are transmitted via serial communication port and wherein said digital signals are asserted via a digital input/output card (the recording device (20) needs to be connected to a computer through a cable (39) in order to view the images).

Regarding claim **14**, Kaylor et al. discloses all the limitations as previously discussed with respect to claim 1 including that the recorded video is output for viewing (Fig. 14 displays the video being outputted).

Claim Rejections - 35 USC § 103

4. Claims 2 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kaylor et al. as applied to claims 1 and 7 above, and further in view of Auty et al. (U.S. Patent 5,809,161).

Regarding claim **2**, Kaylor et al. discloses all the limitations as previously discussed with respect to claim 1, but fails to disclose that the reviewed discrete digital data are presented in graphical strip chart format.

Referring to the Auty et al. reference, Auty et al. discloses reviewing traffic information wherein the reviewed discrete digital data are presented in graphical strip chart format (Fig. 16).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have graphically shown digital data as taught by Auty et al. in the system as disclosed by Kaylor et al. in order to allow the reviewer to easily correlate related data visually.

Regarding claim 8, Kaylor et al. discloses all the limitations as previously discussed with respect to claim 7, but fails to disclose that the reviewed discrete digital data are presented in graphical strip chart format.

Referring to the Auty et al. reference, Auty et al. discloses reviewing traffic information wherein the reviewed discrete digital data are presented in graphical strip chart format (Fig. 16).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have graphically shown digital data as taught by Auty et al. in the system as disclosed by Kaylor et al. in order to allow the reviewer to easily correlate related data visually.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Heather R. Jones whose telephone number is 571-272-

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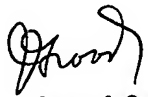
7368. The examiner can normally be reached on Mon. - Thurs.: 7:00 am - 4:30 pm, and every other Fri.: 7:00 am - 3:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Groody can be reached on 571-272-7950. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Heather R Jones
Examiner
Art Unit 2621

HRJ
April 2, 2007


James J. Groody
Supervisory Patent Examiner
Art Unit 2621-2621